BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
2		Removing B.S slab of drain and stacking specifications and direction of site engineer in in charge of the work							
Measurements taken on									
		Cross Road							
2	14		Sqm	1	12.00	1.80		21.60	
16	28		Sqm	1	12.00	1.80		21.60	
32	43.4		Sqm	1	11.40	1.80		20.52	
48	57		Sqm	1	9.00	1.80		16.20	
62	73		Sqm	1	11.00	1.80		19.80	
74	88.5		Sqm	1	14.50	1.80		26.10	
93	102		Sqm	1	9.00	1.80		16.20	
106	117		Sqm	1	11.00	1.80		19.80	
121	135.5		Sqm	1	14.50	1.80		26.10	
139	147		Sqm	1	8.00	1.80		14.40	
							Total	202.32	

4/2/20

Checked

Raghu 4/2/2020

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP Bangalore
Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Raghu
Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
3		Refixing stone slabs of drains and pointing in CM (1:3) specifications and direction of site engineer in incharge of the work							
Measurements taken on									
		Cross Road							
2	14		Sqm	1	12.00	1.80		21.60	
16	28		Sqm	1	12.00	1.80		21.60	
32	43.4		Sqm	1	11.40	1.80		20.52	
48	57		Sqm	1	9.00	1.80		16.20	
62	73		Sqm	1	11.00	1.80		19.80	
74	88.5		Sqm	1	14.50	1.80		26.10	
93	102		Sqm	1	9.00	1.80		16.20	
106	117		Sqm	1	11.00	1.80		19.80	
121	135.5		Sqm	1	14.50	1.80		26.10	
139	147		Sqm	1	8.00	1.80		14.40	
							Total	202.32	

8/12/20

8/12/20

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL - BBMP, Bangalore

Contactor

PMC

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
5		Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		CC Road							
		V R Super Market BackSide							
0	15		Cum	1	15	4.8	0.15	10.80	
15	23.3		Cum	1	8.3	4.7	0.15	5.85	
23.3	34.4		Cum	1	11.1	7.35	0.15	12.24	
34.4	49.4		Cum	1	15	4.8	0.15	10.80	
49.4	51.8		Cum	1	2.4	4.4	0.15	1.58	
51.8	62.8		Cum	1	11	6.4	0.15	10.56	
62.8	74.4		Cum	1	11.6	7.65	0.15	13.31	
74.4	83.3		Cum	1	8.9	3.9	0.15	5.21	
		For New SSm Drain							
		VR Super Market Oppossite							
0	15		Cum	1	15	2.2	0.15	4.95	
15	25.5		Cum	1	10.5	2.2	0.15	3.47	
0	15		Cum	1	15	2.2	0.15	4.95	
15	30		Cum	1	15	2.2	0.15	4.95	
30	37.9		Cum	1	7.9	2.2	0.15	2.61	
		Raju House							
0	15		Cum	1	15	2.2	0.15	4.95	
15	30		Cum	1	15	2.2	0.15	4.95	
30	45		Cum	1	15	2.2	0.15	4.95	
45	60		Cum	1	15	2.2	0.15	4.95	
60	75		Cum	1	15	2.2	0.15	4.95	
75	80.6		Cum	1	5.6	2.2	0.15	1.85	
		For Flaging Course							

10/12/2020

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP Bangalore
Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

10/12/2020
Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
		Venkataswammi House							
0	15		Cum	2	15	0.45	0.15	2.03	
15	25.2		Cum	2	10.2	0.45	0.15	1.38	
		Temple opposite Road							
0	11.5		Cum	2	11.5	0.45	0.15	1.55	4.96
							Total	122.83	

12/2/2020

Ca Rc

Raglu

12/2/2020

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP, Bangalore

Contractor

PMC

Assistant Engineer

Raglu

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
6		Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For New SSm Drain							
		VR Super Market Oppossite							
0	15		Cum	2	15	0.7	0.5	10.50	
15	25.5		Cum	2	10.5	0.7	0.5	7.35	
0	15		Cum	2	15	0.7	0.5	10.50	
15	30		Cum	2	15	0.7	0.5	10.50	
30	37.9		Cum	2	7.9	0.7	0.5	5.53	
		Raju House							
0	15		Cum	2	15	0.7	0.5	10.50	
15	30		Cum	2	15	0.7	0.5	10.50	
30	45		Cum	2	15	0.7	0.5	10.50	
45	60		Cum	2	15	0.7	0.5	10.50	
60	75		Cum	2	15	0.7	0.5	10.50	
75	80.6		Cum	2	5.6	0.7	0.5	3.92	
							Total	**100.80**	

14/2/2020

14/2/2020

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, Bangalore
Contractor

PMC

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
8		Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For New SSm Drain							
		VR Super Market Oppossite							
0	15		Cum	2	15	0.55	0.1	1.65	
15	25.5		Cum	2	10.5	0.55	0.1	1.16	
0	15		Cum	2	15	0.55	0.1	1.65	
15	30		Cum	2	15	0.55	0.1	1.65	
30	37.9		Cum	2	7.9	0.55	0.1	0.87	
		Raju House							
0	15		Cum	2	15	0.55	0.1	1.65	
15	30		Cum	2	15	0.55	0.1	1.65	
30	45		Cum	2	15	0.55	0.1	1.65	
45	60		Cum	2	15	0.55	0.1	1.65	
60	75		Cum	2	15	0.55	0.1	1.65	
75	80.6		Cum	2	5.6	0.55	0.1	0.62	
		Vent bed							
		VR Super Market Oppossite							
0	15		Cum	1	15	0.65	0.1	0.98	
15	25.5		Cum	1	10.5	0.65	0.1	0.68	
0	15		Cum	1	15	0.65	0.1	0.98	
15	30		Cum	1	15	0.65	0.1	0.98	
30	37.9		Cum	1	7.9	0.65	0.1	0.51	
		Raju House							
0	15		Cum	1	15	0.65	0.1	0.98	
15	30		Cum	1	15	0.65	0.1	0.98	
30	45		Cum	1	15	0.65	0.1	0.98	
45	60		Cum	1	15	0.65	0.1	0.98	
60	75		Cum	1	15	0.65	0.1	0.98	

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, Bangalore
Contractor

PRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
75	80.6		Cum	1	5.6	0.65	0.1	0.36	
		For Flaging Course							
		Venkataswammi House							
0	15		Cum	2	15	0.2	0.1	0.60	
15	25.2		Cum	2	10.2	0.2	0.1	0.41	
		Temple opposite Road							
0	11.5		Cum	2	11.5	0.2	0.1	0.46	
		Nagesh House							
0	15		Cum	2	15	0.2	0.1	0.60	
15	30		Cum	2	15	0.2	0.1	0.60	
30	45		Cum	2	15	0.2	0.1	0.60	
45	60		Cum	2	15	0.2	0.1	0.60	
60	75		Cum	2	15	0.2	0.1	0.60	
75	90		Cum	2	15	0.2	0.1	0.60	
90	105		Cum	2	15	0.2	0.1	0.60	
105	116.6		Cum	2	11.6	0.2	0.1	0.46	6.46
							Total	31.33	

20/2/20

CE AE
Raglu
20/2/2020

PUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

Contractor | PMC | Assistant Engineer | Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
10		Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonary (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superastructure including cost of materials, labour charges, scaffolding, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		For Flaging Course							
		Venkataswammi House							
0	15		Sqm	2	15		0.4	12.00	
15	25.2		Sqm	2	10.2		0.4	8.16	
		Temple opposite Road							
0	11.5		Sqm	2	11.5		0.6	13.80	
							Total	**33.96**	

22/2/20

22/2/2020

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
15		Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
			Cum	Qty. Vide Item No. 1				789.51	
							Total	789.51	

22/2/20

Raghu 22/2/2020

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-24

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore
Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Raghu
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
E1		KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
Measurements taken on									
		New CC Drain							
		Cross Road							
0	15		Cum	1	15	1.5	0.15	3.38	
15	30		Cum	1	15	1.5	0.15	3.38	
30	45		Cum	1	15	1.5	0.15	3.38	
45	57.3		Cum	1	12.3	1.5	0.15	2.77	
		Cross Road							
0	15		Cum	1	15	1.1	0.15	2.48	
15	35.3		Cum	1	20.3	1.1	0.15	3.35	
							Total	**18.72**	

C & RC
26/2/2020

26/2/20

26/2/2020

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore
Contactor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
E3		providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work							
		From Calculation Sheet						2.42	

28/2/20

Raghu 28/2/2020

Assistant Executive Engineer, Byatarayanapura Sub-division KRIDL, BBMP Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Contactor PMC Assistant Engineer Assistant exicutive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item no.8	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.								
Measurements Taken On;									
	For RCC Drain								
	Cross road								
	Main Bars (#12@120 c/c)	1	12	479	479	2.70	1291.95	0.88781408	1147.01
	Distribution(18-#8)	1	8	18	18	57.30	1031.40	0.39458404	406.97
	Cross road								
	Main Bars (#12@120 c/c)	1	12	295	295	2.50	737.92	0.88781408	655.13
	Distribution(15-#8)	1	8	15	15	35.30	529.50	0.39458404	208.93
								TOTAL QTY IN KG'S	**2418.05**
								TOTAL QTY IN TONNE	**2.42**

28/2/20

28/2/20

Assistant Executive Engineer,
Byatarayanapura Sub-division
KRIDL, BBMP Bangalore

Contractor

PUDRAPRASAD CONSULTANTS BANGALORE

PMC

Assistant Engineer

Assistant Executive Engineer